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TABLE 4.--Types of infection reported diagnosed microscopically, by counties.

[The figures indicate the numbers of cases reported diagnosed microscopically. The sign + indicates that cases were reported, but the diagnosis was not confirmed by the microscope. This information was collected for three months only.]

County.	July-September, 1914.			County.	July-September, 1914.		
	Tertian.	Quartan.	Estivo-autum-nal.		Tertian.	Quartan.	Estivo-autum-nal.
Adair.....	+	+	+	Knox.....	+		
Allen.....	+	+	+	Larue.....	1		9
Ballard.....	+	+	+	Laurel.....	2		
Barren.....	3	+	+	Lawrence.....	+	+	
Bath.....	+	1	+	Lee.....	2		+
Bell.....	+			Lewis.....	+	+	+
Bourbon.....	+		+	Lincoln.....	6		+
Boyd.....	+			Logan.....	4	+	3
Boyle.....	+			Lyon.....	1	1	1
Bracken.....	+			McCracken.....	20	1	
Breathitt.....	+	+	+	McCreary.....	+		
Breckinridge.....	8	+	+	McLean.....	+	+	+
Bullitt.....	5		+	Madison.....	+	+	
Butler.....	+	+	+	Magothin.....	+		
Caldwell.....	24	+	+	Marion.....	+	+	
Calloway.....	10	3	13	Marshall.....	+	+	+
Campbell.....	+	1		Mason.....	3		
Carlisle.....	+		+	Meade.....	+	+	+
Carroll.....	7	5	+	Menifee.....	+	+	+
Carter.....	+	+	3	Mercer.....	2	+	+
Christian.....	1	+	6	Metcalfe.....	+	+	1
Clark.....	+	+		Monroe.....	+		+
Clay.....	+		1	Montgomery.....	2		
Cinton.....	+			Morgan.....	+		
Crittenden.....	+		+	Muhlenberg.....	15	5	12
Cumberland.....	+	+	+	Ohio.....	+	+	+
Daviess.....	6	1	+	Oldham.....	+		
Estill.....	+			Owen.....	+		
Fayette.....	2			Owsley.....			+
Fleming.....	4	2	1	Pendleton.....	2	+	+
Floyd.....	1			Perry.....	+	+	+
Franklin.....	+			Pike.....	5		
Fulton.....	+			Powell.....	+		
Gallatin.....	+		+	Pulaski.....	1		
Garrard.....	+			Robertson.....	+	+	
Grant.....	+	+	+	Rowan.....	+		
Graves.....	4	14	6	Russell.....	2		
Grayson.....	+	2		Scott.....	+		
Green.....	1		+	Shelby.....	+		
Greenup.....	5		1	Simpson.....	1		
Hancock.....	+	+		Taylor.....	+		
Hardin.....	6		+	Todd.....		+	+
Harrison.....	+			Trigg.....	+	+	
Hart.....	+	+	+	Trimble.....	+	+	+
Henderson.....	8	+	+	Union.....	20	+	+
Henry.....	4		+	Warren.....	3	+	2
Hickman.....	1		+	Washington.....	+		
Hopkins.....	1	+		Wayne.....	+		
Jackson.....	1	+	2	Webster.....	+	+	+
Jefferson.....	48	13	26	Whitley.....			+
Jessamine.....	+	1	+	Wolfe.....	2	+	
Kenton.....	1		+				
Knott.....	1			Total.....	246	50	87

DIRECTORY OF CITY HEALTH OFFICERS.

CONTAINING THE NAMES AND OFFICIAL TITLES OF THE HEALTH OFFICERS OF CITIES HAVING A POPULATION OF 10,000 AND OVER IN 1910.

During 1916 a directory of city health officers was compiled and published in the Public Health Reports of June 30, 1916, and as reprint No. 346.

The following is the directory for 1917, and was obtained by sending blank forms requesting information to the health officers of

cities in the United States having a population of 10,000 and over in 1910. The cities listed below are the ones from which the information was returned, and the data are as given by the respective health departments.

Full-time officers are indicated by an asterisk (*). For the purpose of this directory, a full-time officer is defined as one who does not engage in the private practice of medicine or in any occupation other than his official duties.

City.	Name of health officer.	Official title.
Alabama:		
Birmingham.....	*F. E. Harrington, M. D. ¹	Health officer.
Mobile.....	Chas. A. Mohr, M. D.....	City health officer.
Arizona:		
Phoenix.....	H. K. Beauchamp, M. D.....	Health officer.
Tucson.....	Meade Clyne, M. D.....	City health officer.
Arkansas:		
Argenta.....	Arden Thomas McKinney, M. D.	Do.
Fort Smith.....	Cons. P. Wilson, jr., M. D.....	City health officer and bacteriologist.
Hot Springs.....	John S. Wood, M. D.....	City health officer.
Little Rock.....	Milton Vaughan, M. D.....	Health commissioner.
California:		
Alameda.....	A. Hieronymus, M. D.....	Health officer.
Bakersfield.....	P. J. Cuneo, M. D.....	City health officer.
Berkeley.....	J. J. Benton, M. D.....	Health officer.
Fresno.....	A. H. Sweeney, M. D.....	City health officer.
Long Beach.....	*Ralph L. Taylor, M. D.....	Health officer.
Los Angeles.....	*L. M. Powers, M. D.....	Health commissioner.
Oakland.....	Kirby B. Smith, M. D.....	Health officer.
Pasadena.....	Stanley P. Black, M. D.....	Do.
Pomona.....	Newton J. Rice, M. D.....	Do.
Redlands.....	*F. H. Folkins, M. D.....	City health physician.
Riverside.....	Chas. W. Girdlestone, M. D.....	City health officer.
Sacramento.....	*G. C. Simmons, M. D.....	Acting health officer.
San Bernardino.....	Frank M. Gardner, M. D.....	Health officer.
San Diego.....	Alfred E. Banks, M. D.....	Do.
San Francisco.....	*Wm. C. Hassler, M. D.....	Do.
San Jose.....	D. A. Beattie, M. D.....	Do.
Santa Barbara.....	C. S. Stevens, M. D.....	Do.
Santa Cruz.....	H. E. Piper, M. D.....	Do.
Stockton.....	Linwood Dozier, M. D.....	Do.
Colorado:		
Colorado Springs.....	Omer R. Gillett, M. D.....	Do.
Denver.....	*Wm. H. Sharpley, M. D. ²	Manager health and charity.
Trinidad.....	G. W. Robinson, M. D.....	City physician.
Connecticut:		
Bridgeport.....	*Walter H. Brown, M. D.....	Health officer.
Greenwich.....	Alvin W. Klein, M. D.....	Do.
Hartford.....	*Chas. P. Botsford, M. D.....	Superintendent of health.
Meriden.....	Louis F. Wheatley, M. D.....	City health officer.
New Britain.....	*T. E. Reeks, M. D.....	Superintendent of health.
Norwalk.....	Wm. J. Tracey, M. D.....	Health officer.

* Full-time officer.

¹ Also health officer for Jefferson County and all cities and towns in the county.

² Also health officer for Denver County.

City.	Name of health officer.	Official title.
Connecticut—Continued.		
Orange.....	C. A. Beran, M. D.....	Town health officer.
Stamford.....	E. Everett Rowell, M. D.....	City health officer.
Wallingford.....	Wm. J. Riordan, M. D.....	
Waterbury.....	Thomas J. Kilmartin, M. D....	Health officer.
Willimantic.....	Chas. A. Jenkins, M. D.....	Acting health officer.
District of Columbia:		
Washington.....	*Wm. C. Woodward, M. D....	Health officer.
Florida:		
Jacksonville.....	*C. H. Dobbs, M. D.....	City health officer
Key West.....	J. N. Fogarty, M. D.....	Do.
Tampa.....	Sheldon Stringer, M. D.....	Do.
Georgia:		
Atlanta.....	*J. P. Kennedy, M. D.....	Health officer.
Augusta.....	Eugene E. Murphey, M. D....	President board of health (ex-officio health officer).
Brunswick.....	*Thomas F. Abercrombie, M. D. ¹	Commissioner of health.
Macon.....	O. H. Weaver, M. D.....	Chairman board of health.
Savannah.....	*Wm. F. Brunner, M. D.....	Health officer.
Illinois:		
Alton.....	A. P. Robertson, M. D.....	Health commissioner.
Aurora.....	G. B. Schwachtgen, M. D.....	Do.
Belleville.....	B. H. Portnondo, M. D.....	President board of health.
Cairo.....	W. C. Clarke, M. D.....	City physician and health officer.
Champaign.....	W. E. Schowengerdt, M. D....	Health officer.
Chicago.....	John Dill Robertson, M. D....	Commissioner of health.
Chicago Heights.....	Ira C. Harman, M. D.....	Do.
Danville.....	Seward L. Landaner, M. D....	Health commissioner.
Decatur.....	Wm. J. Harding.....	Health officer.
East St. Louis.....	R. X. McCracken, M. D.....	Health commissioner.
Elgin.....	A. J. Volstorff.....	Health officer.
Evanston.....	Clarence T. Roome, M. D....	Commissioner of health.
Galesburg.....	Fred G. Hall, M. D.....	Health commissioner.
Granite City.....	L. D. Darnier, M. D.....	City physician.
Jacksonville.....	A. M. King, M. D.....	City health physician.
La Salle.....	*G. F. Ruediger, M. D. ²	Health commissioner.
Mattoon.....	F. E. Bell, M. D.....	Health officer.
Oak Park.....	*Carl E. Buck.....	Commissioner of health and local registrar.
Oglesby.....	*G. F. Ruediger, M. D. ²	Health commissioner.
Peoria.....	E. A. Garrett, M. D.....	Commissioner of health.
Peru.....	*G. F. Ruediger, M. D. ²	Health commissioner.
Rock Island.....	C. G. Foster, M. D.....	Do.
Springfield.....	Otto H. Deichmann, M. D....	Superintendent public health.
Indiana:		
Anderson.....	J. C. Long, M. D.....	Secretary city health board.
Elkhart.....	L. A. Elliott, M. D.....	Secretary board of health.
Elwood.....	J. F. Ginn, M. D.....	Do.
Fort Wayne.....	J. H. Gilpin, M. D.....	Secretary.
Hammond.....	Wm. D. Weis, M. D.....	
Huntington.....	B. H. Grayston, M. D.....	Secretary city board of health.
Indianapolis.....	*Herman G. Morgan, M. D....	City sanitarian.

* Full-time officer.

¹ Also health officer for Glynn County.² Health officer for La Salle, Oglesby, and Peru.

City.	Name of health officer.	Official title.
Indiana—Continued.		
Jeffersonville.....	O. P. Graham, M. D.....	City health officer.
Kokomo.....	Edgar Cox, M. D.....	Do.
La Fayette.....	D. C. McClelland, M. D.....	Secretary board of health.
Laporte.....	Harry J. Thompson, M. D.....	City health officer.
Logansport.....	Rodney E. Troutman, M. D.....	Secretary board of health.
Marion.....	Merrill S. Davis, M. D.....	City health officer.
Mishawaka.....	C. A. Dresch, M. D.....	Health officer.
Muncie.....	Clarence G. Rea, M. D.....	Secretary board of health.
New Albany.....	Chester C. Funk, M. D.....	Do.
Richmond.....	S. G. Smelser, M. D.....	Do.
South Bend.....	Charles S. Bosenbury, M. D.....	Do.
Terre Haute.....	T. W. Moorhead, M. D.....	Secretary department public health and charity.
Iowa:		
Burlington.....	O. W. Boatman, M. D.....	City health officer.
Clinton.....	H. R. Sugg, M. D.....	Health officer.
Council Bluffs.....	Chas. H. Bower, M. D.....	Do.
Davenport.....	*Thomas P. Kennedy.....	Do.
Dubuque.....	Chas. M. Linehan, M. D.....	Do.
Keokuk.....	C. H. Fegers, M. D.....	Physician to board of health.
Marshalltown.....	Aaron C. Conaway, M. D.....	Health officer.
Mason City.....	*A. L. Wheeler, M. D.....	Superintendent department of health and sanitation.
Muscatine.....	Arthur J. Weaver, M. D.....	City health physician.
Sioux City.....	B. Caurshon, M. D.....	Health officer.
Waterloo.....	J. E. Ridenour, M. D.....	Do.
Kansas:		
Hutchinson.....	W. F. Schoor, M. D.....	City physician and secretary board of health.
Independence.....	W. B. Kelly, M. D.....	City physician.
Kansas City.....	C. W. McLaughlin, M. D.....	Commissioner board of health.
Leavenworth.....	Chas. J. McGee, M. D.....	City physician.
Parsons.....	George W. Gabriel, M. D.....	President board of health and city physician.
Pittsburg.....	Chas. A. Dudley, M. D.....	Health commissioner.
Topeka.....	*Herbert L. Clark, M. D.....	City physician and health officer.
Kentucky:		
Covington.....	Joseph M. O'Maley, M. D.....	Health officer.
Frankfort.....	R. M. Coblin, M. D.....	City health officer.
Henderson.....	W. A. Poole, M. D.....	Health officer.
Lexington.....	*John D. Maguire, M. D.....	Do.
Louisville.....	*W. Ed. Grant, M. D.....	City health officer.
Newport.....	John Todd, M. D.....	Do.
Owensboro.....	A. McKenney, M. D.....	Do.
Paducah.....	H. P. Linn, M. D.....	Health officer.
Louisiana:		
Alexandria.....	J. A. White, M. D.....	President city board of health.
Monroe.....	F. C. Bennett, M. D.....	President board of health.
New Orleans.....	W. H. Robin, M. D.....	Superintendent of public health.
Shreveport.....	G. C. Chandler, M. D.....	President board of health and health officer.
Maine:		
Augusta.....	George A. Coombs, M. D.....	Health officer.
Waterville.....	F. C. Thayer, M. D.....	Do.

* Full-time officer.

City.	Name of health officer.	Official title.
Maryland:		
Baltimore.....	John D. Blake, M. D.....	Commissioner of health.
Cumberland.....	*Max J. Colton.....	Health officer.
Frederick.....	Ira J. McCurdy, M. D.....	City health officer.
Massachusetts:		
Attleboro.....	Ralph P. Kent, M. D.....	Health officer.
Beverly.....	Alonzo O. Woodbury.....	Clerk and agent.
Boston.....	*Francis X. Mahoney, M. D....	Health commissioner.
Brockton.....	*George M. Gifford.....	Executive officer of the board of health.
Brookline.....	Francis P. Denny, M. D.....	Agent and health officer.
Chelsea.....	*Wm. J. Randall.....	Health officer.
Chicopee.....	*Chas. J. O'Brien.....	Agent board of health.
Clinton.....	*Edward De Courcy.....	Do.
Everett.....	*John W. Seaver.....	Agent health department.
Fall River.....	*Samuel B. Morriss.....	Agent board of health.
Fitchburg.....	*Fred R. Brigham.....	Do.
Gardner.....	Wm. P. O'Donnell.....	Health officer.
Greenfield.....	George P. Moore.....	Board of health agent.
Lawrence.....	*Wm. T. Sellers.....	Clerk of public health.
Leominster.....	*Michael J. Butler.....	Agent and plumbing inspector.
Lowell.....	*Frederick A. Bates.....	Agent.
Lynn.....	*John W. Tapper.....	Chairman.
Malden.....	Chas. E. Prior, M. D.....	Chairman board of health.
Medford.....	Paul J. D. Haley, M. D.....	Medical inspector.
Melrose.....	Clarence P. Holden, M. D....	Chairman board of health.
New Bedford.....	*Wm. G. Kirschbaum.....	Agent and executive officer.
Newburyport.....	*Wm. Thurston.....	Health officer.
Newton.....	*Francis George Curtis.....	Chairman.
North Adams.....	*D. W. Hyde.....	Agent board of health.
Northampton.....	George R. Turner.....	Do.
Peabody.....	James J. Ray.....	Agent.
Pittsfield.....	Maurice S. Eisner, M. D.....	Medical agent board of health.
Quincy.....	*Edward J. Lennon.....	Sanitary inspector.
Salem.....	*John J. McGrath.....	Agent board of health.
Somerville.....	Frank L. Morse, M. D.....	Medical inspector.
Springfield.....	*Wm. L. Young.....	Agent board of health.
Taunton.....	Thomas J. Robinson, M. D....	Chairman board of health.
Waltham.....	*A. L. Stone, M. D.....	Agent board of health.
Watertown.....	Everett B. Johnson.....	Do.
Webster.....	Otto K. Gotzke.....	Agent.
Westfield.....	Walter H. Jenkins.....	Agent board of health.
Winthrop.....	*Smith A. Mowry.....	Agent.
Worcester.....	James C. Coffey.....	Executive officer.
Michigan:		
Adrian.....	J. P. Bland, M. D.....	Health officer.
Alpena.....	James Eakins, M. D.....	Do.
Ann Arbor.....	John A. Wessinger, M. D.....	Do.
Battle Creek.....	Eugene Miller, M. D.....	Do.
Bay City.....	John A. Keho, M. D.....	Do.
Detroit.....	*James W. Inches, M. D.....	Do.
Flint.....	*Wm. DeKleine, M. D.....	Do.
Grand Rapids.....	*C. C. Slemmons, M. D.....	Do.
Jackson.....	*C. G. Parnall, M. D.....	Do.
Kalamazoo.....	R. Genung Leland, M. D.....	Do.
Ishpeming.....	George G. Barnett, M. D.....	Do.
Lansing.....	*Chas. F. Lynch.....	Do.

*Full-time officer.

City.	Name of health officer.	Official title.
Michigan—Continued.		
Manistee.....	Ellsworth S. Ellis, M. D.....	Health officer.
Marquette.....	*Arthur K. Bennett, M. D.....	Do.
Muskegon.....	Arthur B. Egan, M. D.....	Do.
Pontiac.....	Chas. A. Neafie, M. D.....	Do.
Saginaw.....	Wm. J. O'Reilly, M. D.....	City health officer.
Sault Ste. Marie.....	J. J. Griffin, M. D.....	Health officer and milk inspector.
Traverse City.....	*George A. Holliday.....	Health officer.
Minnesota:		
Mankato.....	A. V. Denman, M. D.....	Health commissioner.
Minneapolis.....	H. M. Guilford, M. D.....	Do.
St. Cloud.....	P. E. Stangl, M. D.....	City physician.
Stillwater.....	J. H. Haines, M. D.....	Health commissioner.
Virginia.....	John H. Crowe, M. D.....	Health officer.
Winona.....	Donald B. Pritchard, M. D.....	Do.
Mississippi:		
Hattiesburg.....	Robert Donald, M. D. ¹	City health officer.
Jackson.....	Nolan Stewart, M. D.....	Do.
Meridian.....	T. J. Houston, M. D.....	Do.
Natchez.....	Richard D. Sessions, M. D.....	Do.
Missouri:		
St. Joseph.....	*Hasbrouck Delamater, M. D.....	Health officer.
Springfield.....	*Edwin F. James, M. D.....	Commissioner of health and sanitation.
Webb City.....	O. S. Wilfley, M. D.....	City physician.
Montana:		
Billings.....	Louis W. Allard, M. D.....	Health officer.
Helena.....	Wm. C. Riddell, M. D.....	Secretary city board of health.
Nebraska:		
Grand Island.....	Leo Phelan, M. D.....	City physician and health officer.
Lincoln.....	*Chauncey F. Chapman, M. D.....	Superintendent of health.
Omaha.....	R. W. Connell, M. D.....	Health commissioner.
Nevada:		
Reno.....	W. L. Samuels, M. D.....	Secretary city board of health.
New Hampshire:		
Berlin.....	*Lawrence P. Geer.....	Health officer and milk inspector.
Concord.....	Chas. E. Palmer.....	Sanitary officer.
Dover.....	*Hubert K. Reynolds.....	Executive officer, board of health.
Keene.....	John J. Brosnahan, M. D.....	Member board of health.
Manchester.....	*Robert N. Hoyt.....	Health officer.
Nashua.....	*Frank B. Shea.....	Do.
Portsmouth.....	*Daniel J. Scott.....	
New Jersey:		
Asbury Park.....	*B. H. Obert.....	Health officer and registrar of vital statistics.
Atlantic City.....	*Talbot Reed, M. D.....	Health officer.
Bayonne.....	John T. Connelly, M. D.....	Do.
Bloomfield.....	Joseph C. Saile, M. D.....	Do.
Bridgeton.....	*Chas. E. Bellows.....	Sanitary inspector.
Camden.....	John F. Leavitt, M. D.....	Health officer.
East Orange.....	*John Hall.....	Health officer and registrar of vital statistics.
Elizabeth.....	*Louis J. Richards.....	Health officer.
Hackensack.....	George W. Finke, M. D.....	
Harrison.....	*John T. McClure, M. D.....	Do.
Hoboken.....	Joseph F. X. Stack, M. D.....	Health commissioner.

* Full-time officer.

¹ Also health officer for Forrest County.

City.	Name of health officer.	Official title.
New Jersey—Continued.		
Jersey City.....	*Frank H. Edsall, D. P. H....	Superintendent of health.
Kearny.....	*H. V. Amerman.....	Health inspector.
Long Branch.....	*R. C. Erickson.....	Health officer.
Millville.....	Frank Bullock.....	Health inspector.
Montclair.....	*Chester H. Wells.....	Health officer.
Morristown.....	*John J. Belbey.....	Sanitary inspector.
New Brunswick.....	E. I. Croak, M. D.....	Health officer.
Newark.....	*Chas. V. Craster, M.D., D.P.H.	Do.
Orange.....	*T. P. Ballinger.....	Do.
Passaic.....	John N. Ryan, M. D.....	Do.
Paterson.....	Orville Reed Hagen, M. D....	Do.
Perth Amboy.....	*Wm. J. Willsey.....	Do.
Phillipsburg.....	Alma L. Williston, M. D.....	Health inspector.
Plainfield.....	*N. J. Randolph Chandler.....	Health officer.
Trenton.....	Alton S. Fell, M. D.....	Do.
Weehawken.....	*Rudolph Kunze.....	Chief inspector.
West Hoboken.....	*Frank A. Frederick.....	Health officer.
West Orange.....	*James A. Tobey, S. B.....	Do.
New York:		
Albany.....	Arthur Sautter, M. D.....	Do.
Amsterdam.....	H. M. Hicks, M. D.....	Do.
Auburn.....	Thomas C. Swayer, M. D.....	Do.
Batavia.....	Victor M. Rice, M. D.....	Do.
Binghamton.....	C. J. Longstreet, M. D.....	Do.
Buffalo.....	*Francis E. Fronczak, M. D....	Health commissioner.
Cohoes.....	Clarence H. White, M. D.....	Health officer.
Corning.....	Frank S. Swain, M. D.....	Health officer and registrar.
Cortland.....	Albert C. Knapp, M. D.....	Health officer.
Dunkirk.....	George E. Ellis, M. D.....	Do.
Elmira.....	Reeve B. Howland, M. D.....	Do.
Fulton.....	Albert L. Hall, M. D.....	City physician and health officer.
Glens Falls.....	Floyd Palmer, M. D.....	Health officer.
Gloversville.....	Alex. L. Johnson, M. D.....	Do.
Ithaca.....	H. H. Crum, M. D.....	Do.
Jamestown.....	*John J. Mahoney, M. D.....	Superintendent of public health.
Johnstown.....	Frank M. Neuendorf, M. D....	City physician and health officer.
Kingston.....	Frank A. Johnston, M. D.....	Health officer.
Little Falls.....	Augustus B. Santry, M. D....	Do.
Lockport.....	F. A. Watters, M. D.....	City physician and health officer.
Middletown.....	J. L. Hanmer, M. D.....	Health officer.
Mount Vernon.....	Chas. M. Quinn, M. D.....	Health officer and registrar of vital statistics.
New Rochelle.....	*Edwin H. Coddney.....	Health officer.
New York City.....	*Haven Emerson, M. D.....	Commissioner of health.
Newburgh.....	Thomas J. Burke, M. D.....	Health officer.
North Tonawanda.....	Thomas P. C. Barnard, M. D....	Do.
Olean.....	John A. Johnson, M. D.....	Do.
Ossining.....	Robert T. Irvine, M. D.....	Do.
Oswego.....	James K. Stockwell, M. D.....	Do.
Peekskill.....	E. D. M. Lyon, M. D.....	Do.
Plattsburgh.....	Joseph H. La Rocque, M. D....	Do.
Port Chester.....	Wm. J. Sheehan, M. D.....	Do.
Poughkeepsie.....	John S. Wilson, M. D.....	Do.
Rensselaer.....	Richard B. Gray, M. D.....	Do.
Rochester.....	*George W. Goler, M. D. ¹	Do.

* Full-time officer.

¹ Does not engage in the practice of medicine except consultations.

City.	Name of health officer.	Official title.
New York—Continued.		
Rome.....	Chas. R. Mahady, M. D.....	Health officer.
Saratoga Springs.....	A. Sherman Downs, M. D.....	Do.
Schenectady.....	Joseph B. Garlick, M. D.....	Do.
Syracuse.....	Frederick W. Sears, M. D.....	Do.
Troy.....	*Calvin E. Nichols, M. D.....	Do.
Watertown.....	Page E. Thornhill, M. D.....	Do.
White Plains.....	Edwin G. Ramsdell, M. D.....	Do.
Yonkers.....	Wm. S. Coons, M. D.....	Do.
North Carolina:		
Asheville.....	C. V. Reynolds, M. D.....	
Durham.....	*A. Cheatham, M. D. ¹	Superintendent of health.
Greensboro.....	F. C. Hyatt, M. D.....	
Wilmington.....	*Chas. Torrence Nesbitt, M. D. ²	County health officer.
Winston-Salem.....	*John Thames, M. D.....	City health officer.
North Dakota:		
Fargo.....	Paul Sorknen, M. D.....	Health officer.
Grand Forks.....	Alfred Dean, M. D.....	Do.
Ohio:		
Ashtabula.....	A. W. Hopkins, M. D.....	Do.
Bellaire.....	D. W. Boone, M. D.....	Do.
Cambridge.....	O. F. Lowry, M. D.....	
Canton.....	F. M. Sayre, M. D.....	Do.
Chillicothe.....	J. M. Hanley, M. D.....	Do.
Cincinnati.....	*J. H. Landis, M. D.....	Do.
Cleveland.....	*R. H. Bishop, jr., M. D.....	Commissioner of health.
Columbus.....	Louis Kahn, M. D.....	Health officer.
Dayton.....	*A. L. Light, M. D. ³	Commissioner of health.
Elyria.....	G. E. French, M. D.....	Health officer.
Findlay.....	*Amos Beardsley.....	Do.
Hamilton.....	*A. L. Smedley, M. D.....	Do.
Lakewood.....	W. J. Benner, M. D.....	Inspector of health.
Lancaster.....	C. H. Hamilton, M. D.....	Health officer.
Lorain.....	Valloyd Adair, M. D.....	Do.
Mansfield.....	Guy T. Goodman, M. D.....	Do.
Marietta.....	F. S. McGee, M. D.....	Do.
Massillon.....	T. Clarke Miller, M. D.....	Do.
Middletown.....	G. D. Lummis, M. D.....	Do.
Newark.....	W. H. Knauss, M. D.....	Do.
Norwood.....	Frank Perry, M. D.....	Do.
Piqua.....	J. H. Lowe, M. D.....	Do.
Portsmouth.....	W. W. Smith, M. D.....	Do.
Sandusky.....	H. C. Schoepfle, M. D.....	Director of public health.
Springfield.....	*E. B. Starr, M. D.....	Do.
Steubenville.....	*Theodore W. Smith.....	Health officer.
Toledo.....	Clarence D. Selby, M. D.....	Commissioner of health.
Warren.....	George N. Simpson, M. D.....	City health officer.
Youngstown.....	H. E. Welch, M. D.....	Health officer.
Zanesville.....	G. W. McCormick, M. D.....	Do.
Oklahoma:		
Enid.....	C. E. Thompson, M. D.....	City physician.
Muskogee.....	John Reynolds, M. D.....	Superintendent of health.
Oklahoma City.....	George Hunter, M. D.....	Health commissioner.
Tulsa.....	S. DeZell Hawley, M. D.....	Superintendent of health.

* Full-time officer.

¹ Also health officer for Durham County.² Also health officer for New Hanover County.³ Does not engage in the practice of medicine except consultations.

City.	Name of health officer.	Official title.
Oregon:		
Portland.....	*John G. Abele, M. D.....	Acting city health officer.
Salem.....	O. B. Miles, M. D.....	City physician and health officer.
Pennsylvania:		
Allentown.....	J. Treichler Butz, M. D.....	Health officer.
Altoona.....	*I. B. Crilly.....	Health officer and bacteriologist.
Bethlehem.....	*Edgar E. Hauser.....	Health officer.
Braddock.....	James E. Wills.....	Do.
Bradford.....	Wm. Roadell.....	Do.
Butler.....	*R. B. Fowler.....	Do.
Carbondale.....	*M. E. Gallagher.....	Sanitary officer.
Carlisle.....	*A. P. Litzman.....	Health officer.
Carnegie.....	A. A. Tarter.....	Do.
Chambersburg.....	Robert W. Walker.....	Secretary and health officer.
Coatesville.....	*G. E. Boyd.....	Health officer and assistant secretary board of health.
Connellsville.....	*George Hetzel.....	Health officer.
DuBois.....	James E. Ginter, M. D.....	Do.
Duquesne.....	John Helfrick.....	Health and ordinance officer.
Easton.....	J. James Condran, M. D.....	Health officer.
Erie.....	J. W. Wright, M. D.....	Do.
Farrel.....	*Frank Chulick.....	Board of health officer.
Harrisburg.....	John M. J. Raunick, M. D.....	Health officer and director of bureau.
Hazleton.....	*P. J. Bonner.....	Health officer.
Homestead.....	W. E. Lawson.....	President board of health.
Johantown.....	L. W. Jones, M. D.....	Health officer.
Lebanon.....	E. H. Gingrich, M. D.....	
McKeesport.....	*Fred W. Hooper.....	Health officer.
Mahanoy.....	*John Sullivan.....	
Meadville.....	Frank Dake.....	Do.
Monessen.....	B. H. Clendenan.....	Do.
Nanticoke.....	*Philip Edmunds.....	Do.
New Castle.....	W. L. Steen, M. D.....	Do.
Norristown.....	*Chas. E. White.....	Secretary and health officer.
Oil City.....	*E. M. Voorhies.....	Health officer.
Phoenixville.....	John J. Morris.....	
Pittsburgh.....	*J. F. Edwards, M. D.....	Director department of health.
Pittston.....	*Thomas F. Tracey.....	Health officer.
Plymouth.....	H. G. Timpleton, M. D.....	Do.
Pottsville.....	*Oscar L. Kleckner.....	Do.
Reading.....	*Chas. Roland, M. D.....	Do.
Scranton.....	G. J. Van Vechten, M. D.....	Director department of public health.
Steelton.....	E. G. Butler.....	Health officer.
Sunbury.....	Victor A. Koble.....	Do.
Uniontown.....	*Miss Elizabeth V. Haney, R. N.....	Do.
Warren.....	*H. J. Bierce.....	Do.
Washington.....	*W. B. Winter.....	Do.
Williamsport.....	J. Harrison Fisher, M. D.....	City health officer.
York.....	*Wm. A. Schlosser.....	Sanitary officer.
Rhode Island:		
Central Falls.....	Adolph. R. V. Fenwick, M. D.....	Superintendent of health.
Cumberland.....	Raynon Woodhead, M. D.....	
East Providence.....	George F. Allison, M. D.....	Health officer.
Newport.....	*J. W. Sampson.....	Executive officer board of health.
Pawtucket.....	Chas. H. Holt, M. D.....	Superintendent of health.

* Full-time officer.

City.	Name of health officer.	Official title.
Rhode Island—Continued.		
Providence.....	*Chas. V. Chapin, M. D.....	Superintendent of health.
Warwick.....	Ralph F. Lockwood, M. D.....	Health officer.
Woonsocket.....	Thomas J. McLaughlin, M. D.....	Do.
South Carolina:		
Charleston.....	*J. Merceir Green, M. D.....	Do.
Columbia.....	Skottowe B. Fishburne, M. D.....	Do.
Greenville.....	*Clarence E. Smith, M. D.....	Commissioner of health.
Spartanburg.....	*Chas. E. Low, M. D.....	Director of health.
South Dakota:		
Aberdeen.....	*Carl F. Raver, M. D.....	Health officer.
Sioux Falls.....	W. F. Keller, M. D.....	City health officer.
Tennessee:		
Jackson.....	W. G. Saunders, M. D.....	Health officer.
Knoxville.....	Wm. R. Cochrane, M. D.....	Director department of health
Nashville.....	*Wm. E. Hibbett, M. D.....	Health officer and registrar
Texas:		
Austin.....	S. A. Woolsey, M. D.....	City health officer.
Beaumont.....	Wie T. Williams, M. D.....	Health officer.
Brownsville.....	E. E. Dickason, M. D.....	City health officer.
Cleburne.....	A. D. Yater, M. D.....	Do.
Dallas.....	*Chas. Saville.....	Director of public health.
Denison.....	A. B. Gardner, M. D.....	Health officer.
El Paso.....	Hugh S. White, M. D.....	City health officer.
Fort Worth.....	Webb Walker, M. D.....	City physician.
Galveston.....	Walter Kleberg, M. D.....	City health officer.
Houston.....	P. H. Scardino, M. D.....	Do.
Marshall.....	Chas. F. Heartsill, M. D.....	Do.
Paris.....	Perry Pinson, M. D.....	Do.
San Angelo.....	J. P. McNulty, M. D.....	Do.
San Antonio.....	*W. A. King, M. D.....	Do.
Tyler.....	Albert Woldert, M. D.....	Do.
Waco.....	R. F. Minnock, M. D.....	Health officer.
Utah:		
Ogden.....	*George Shorten.....	Sanitary inspector.
Salt Lake City.....	*R. W. Ashley, M. D.....	Health commissioner.
Vermont:		
Barre.....	J. W. Stewart, M. D.....	Health officer.
Burlington.....	*Francis J. Ennis, M. D.....	Health officer and milk inspector.
Rutland.....	Frederick H. Gebhardt, M. D.....	City health officer.
Virginia:		
Alexandria.....	Edward A. Gorman, M. D.....	Health officer.
Danville.....	*C. C. Hudson, M. D.....	Do.
Lynchburg.....	Mosby G. Perrow.....	Do.
Newport News.....	R. A. Davis, M. D.....	Health officer and president board of health.
Norfolk.....	P. S. Schenck, M. D.....	Health commissioner.
Petersburg.....	Robert A. Martin, M. D.....	Health officer.
Roanoke.....	*W. Brownley Foster, M. D...	Do.
Richmond.....	*Roy K. Flannagan, M. D.....	Chief health officer.
Washington:		
Aberdeen.....	J. B. Kinne, M. D.....	City health officer.
Bellingham.....	Wm. W. Ballaine, M. D.....	Do.
Everett.....	L. G. Woodford, M. D.....	Health officer.
North Yakima.....	*Benjamin S. Cerswell, M. D., ¹	City and county health officer,

* Full-time officer.

¹ Also health officer for Yakima County.

City.	Name of health officer.	Official title.
Washington—Continued.		
Seattle.....	*J. S. McBride, M. D.....	Commissioner of health.
Spokane.....	*John B. Anderson, M. D.....	Health officer.
Tacoma.....	J. E. Henry, M. D.....	Health officer, bacteriologist and chemist.
Walla Walla.....	Wallace A. Pratt, M. D. ¹	City and county health officer.
West Virginia:		
Bluefield.....	Edwin M. Easley, M. D.....	President board of health.
Charleston.....	Eugene Davis, M. D.....	Health commissioner.
Martinsburg.....	C. E. Clay, M. D.....	Commissioner of health.
Parkersburg.....	Wm. Richardson, M. D.....	City health officer.
Wheeling.....	W. C. Etzler, M. D.....	Health commissioner.
Wisconsin:		
Appleton.....	Frank P. Dohearty, M. D.....	Do.
Ashland.....	C. O. Hertzman, M. D.....	Chairman board of health.
Beloit.....	H. E. Burger, M. D.....	Health officer.
Eau Claire.....	J. F. Farr, M. D.....	Executive officer board of health.
Fond du Lac.....	F. M. Harris, M. D.....	Health commissioner.
Green Bay.....	T. J. Oliver, M. D.....	Commissioner of health.
Janesville.....	Samuel B. Buckmaster, M. D.	Health officer.
Kenosha.....	*Herbert L. Wright, M. D....	Health commissioner.
La Crosse.....	*J. M. Furstman, M. D.....	Commissioner of health.
Madison.....	Harry E. Purcell, M. D.....	Health officer.
Manitowoc.....	J. E. Meany, M. D.....	Do.
Marinette.....	S. P. Jones, M. D.....	Do.
Milwaukee.....	*George C. Ruhland, M. D....	Commissioner of health.
Oshkosh.....	*A. H. Broche, M. D.....	Commissioner of health and city physician.
Sheboygan.....	H. C. Reich, M. D.....	Commissioner of public health.
Superior.....	D. R. Searle, M. D.....	Health commissioner.
Wausau.....	Wm. E. Zilisch, M. D.....	Health officer.

*Full-time officer.

¹ Also health officer for Walla Walla County.